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NO. 6869 P. 1

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FAX TRANSMISSION

DATE: September 18, 2007

PTO IDENTIFIER: Application Number 10/593,809-Conf. #4923
Patent Number

Inventor: Prabhat Kumar et al.

MESSAGE TO: US Patent and Trademark Office

FAX NUMBER: (571) 273-8300

FROM: CONNOLLY BOVE LODGE & HUTZ LLP

Aaron R. Ettelman

PHONE: (302) 658-9141

Attorney Dkt. #: 13194-00048-US

PAGES (Including Cover Sheet): 6

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Statement Under 37 CFR 3.73(b) (1 page)
Power of Attorney and Correspondence Address Indication Form (H.C. Starck) (1 page)
Power of Attorney and Correspondence Address Indication Form (North Carolina State
University) (1 page)
Certificate of Transmission (1 page)

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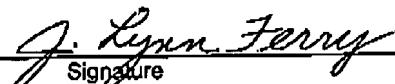
Application No. (if known): 10/593,809

Attorney Docket No.: 13194-00048-US

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Transmittal of Powers of Attorney (1 page)

Statement Under 37 CFR 3.73(b) (1 page)

Power of Attorney and Correspondence Address Indication Form (H.C. Starck)
(1 page)

Power of Attorney and Correspondence Address Indication Form (North
Carolina State University) (1 page)

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Docket No.: 13194-00048-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Prabhat Kumar et al.

Conf. No.: 4923

Application No.: 10/593,809

Group Art Unit: 2812

Filed: June 28, 2007

Examiner: Not Yet Assigned

For: METHODS OF FORMING ALPHA AND
BETA TANTALUM FILMS WITH
CONTROLLED AND NEW
MICROSTRUCTURES

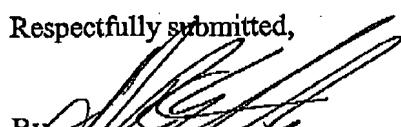
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF POWERS OF ATTORNEY

Applicant submits herewith Statement Under 37 CFR 3.73(b) and Power of Attorney forms executed on behalf of H.C. Starck Inc. and on behalf of North Carolina State University for filing in the above-captioned patent application.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 13194-00048-US.

Dated: September 18, 2007 Respectfully submitted,

By 
Aaron R. Ettelman
Registration No.: 42,516
CONNOLLY BOVE LODGE & HUTZ LLP
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(302) 658-9141
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PTO/SB/06 (04-07)

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: H.C. Starck Inc. and North Carolina State University

Application No./Patent No.: 10/593809 Filed/Issue Date: June 28, 2007

METHODS OF FORMING ALPHA AND BETA TANTALUM FILMS WITH CONTROLLED AND
Entitled: NEW MICROSTRUCTURES

H.C. Starck Inc. and North Carolina State, a Corporation and University, respectively
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest.

(The extent (by percentage) of its ownership interest is _____ %)

in the patent application/patent identified above by virtue of either:

- A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 018455.
Frame 0410, or for which a copy thereof is attached.

OR

- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

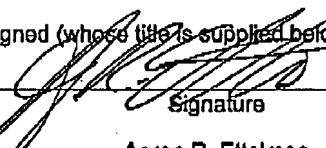
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
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Additional documents in the chain of title are listed on a supplemental sheet.

- As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.
(NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO.
See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.



Signature



Date

Aaron R. Ettelman
Printed or Typed Name

(302) 658-9141
Telephone Number

Authorized Signer for Assignee
Title

SEP 18 2007

PTO/SB/81 (01-06)

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**POWER OF ATTORNEY
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CORRESPONDENCE ADDRESS
INDICATION FORM**

Application Number	10/593,809-Conf. #4923
Filing Date	September 20, 2006
First Named Inventor	Jagdish Narayan
Title	METHODS OF FORMING ALPHA AND BETA TANTALUM FILMS WITH CONTROLLED etc.
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket No.	13194-00048-US

We hereby revoke all previous powers of attorney given in the above-identified application.

We hereby appoint:

 Practitioners associated with the Customer Number:

OR

 Practitioner(s) named below:

Name	Registration Number	Name	Registration Number
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as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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OR

 The address associated with Customer Number:

OR

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Address	<input type="text"/>
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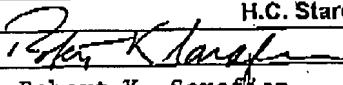
City	<input type="text"/>	State	<input type="text"/>	Zip	<input type="text"/>
Country	<input type="text"/>	Telephone	<input type="text"/>	Email	<input type="text"/>

We are the:

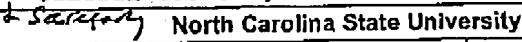
 Applicant/Inventor. Assignees of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

H.C. Starck Inc.

Signature		Date	<input type="text" value="5/10/07"/>
-----------	---	------	--------------------------------------

Name	Robert K. Sarafian	Telephone	617-630-5804
------	--------------------	-----------	--------------

Title and Company	General Counsel, H.C. Starck Inc.
	

Signature	<input type="text"/>	Date	<input type="text"/>
-----------	----------------------	------	----------------------

Name	<input type="text"/>	Telephone	<input type="text"/>
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Title and Company	<input type="text"/>
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NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

<input checked="" type="checkbox"/> Total of	<input type="text" value="2"/>	forms are submitted.
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INDICATION FORM**

Application Number	10/593,809-Conf. #4923
Filing Date	September 20, 2006
First Named Inventor	Jagdish Narayan
Title	METHODS OF FORMING ALPHA AND BETA TANTALUM FILMS WITH CONTROLLED etc.
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket No.	13194-00048-US

We hereby revoke all previous powers of attorney given in the above-identified application.

We hereby appoint:

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OR

 Practitioner(s) named below:

Name	Registration Number	Name	Registration Number
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 Firm or Individual Name: Address: City: State: Zip: Country: Telephone: Email:

We are the

 Applicant/Inventor. Assignee(s) of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/66)

SIGNATURE of Applicant or Assignee of Record

H.C. Starck Inc.

Signature: Date: Name: Telephone: Title and Company:

North Carolina State University

Signature: Date: Name: Telephone: Title and Company:

Office of Technology Transfer

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

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